



| MAXIMUM OPERATING CONDITIONS | | |
|------------------------------|----------|------------|
| Temp ^{°C} | Pressure | Speed |
| -30 | 6000 PSI | 1.5 ft/sec |
| +100 | 400 BAR | 0.5 m/sec |

| LEAD IN CHAMFERS | |
|------------------|----|
| $\varnothing d$ | f |
| 0-60 | 4 |
| 60-120 | 5 |
| 120-180 | 6 |
| 180-250 | 8 |
| 250-400 | 10 |

| METRIC | $j_{all} > 120 \mu s 10$ | $h9 > 120 h8$ | +0 -0.25 | QUANTITY OF FABRICS 1/2" RINGS | QUANTITY OF RUBBER 1/2" RINGS | EFFECTIVE DEPTH OF 1/2" RING | MAX R_1 |
|---------------|--------------------------|-----------------|-------------|--------------------------------------|-------------------------------------|------------------------------------|--------------|
| PART NO. | $\varnothing D$ | $\varnothing d$ | L | | | | |
| MV 30-20-15.7 | 30 | 20 | 15.7 | 2 | - | 3.35 | 0.4 |
| MV 32-20-20 | 32 | 20 | 20 | 2 | - | 3.5 | 0.4 |
| MV 32-22-18.7 | 32 | 22 | 18.7 | 3 | - | 3.25 | 0.4 |
| MV 35-25-19.6 | 35 | 25 | 19.6 | 2 | 2 | 3.0 | 0.4 |
| MV 40-30-21.8 | 40 | 30 | 21.8 | 3 | - | 3.5 | 0.4 |
| MV 45-35-17.5 | 45 | 35 | 17.5 | 3 | - | 2.7 | 0.4 |
| MV 50-30-29.4 | 50 | 30 | 29.4 | 3 | - | 5.20 | 0.8 |
| MV 50-35-10.5 | 50 | 35 | 10.5 | 1 | - | 2.7 | 0.8 |
| MV 50-35-22.5 | 50 | 35 | 22.5 | 3 | - | 2.7 | 0.8 |
| MV 50-40-17.3 | 50 | 40 | 17.3 | 3 | - | 2.75 | 0.4 |
| MV 52-40-22.5 | 52 | 40 | 22.5 | 3 | 2 | 2.8 | 0.4 |
| MV 55-40-11 | 55 | 40 | 11 | 1 | - | 2.9 | 0.4 |
| MV 61-45-29 | 61 | 45 | 29 | 3 | - | 4.1 | 0.8 |
| MV 65-45-37 | 65 | 45 | 37 | - | 5 | 3.3 | 0.8 |
| MV 65-50-22.5 | 65 | 50 | 22.5 | 3 | 2 | 3.0 | 0.8 |
| MV 65-50-24.5 | 65 | 50 | 24.5 | 3 | - | 3.0 | 0.8 |
| MV 65-50-30 | 65 | 50 | 30 | 5 | - | 3.0 | 0.8 |
| MV 70-50-22 | 70 | 50 | 22 | 3 | - | 4.1 | 0.8 |
| MV 70-50-30 | 70 | 50 | 30 | 3 | - | 5.2 | 0.8 |
| MV 70-50-31 | 70 | 50 | 31 | 5 | - | 4.5 | 0.8 |
| MV 70-55-22.5 | 70 | 55 | 22.5 | 3 | - | 4.5 | 0.8 |
| MV 71-56-22.5 | 71 | 56 | 22.5 | 3 | - | 5.1 | 0.8 |
| MV 75-55-37.5 | 75 | 55 | 37.5 | 3 | - | 4.65 | 0.8 |
| MV 75-60-22.5 | 75 | 60 | 22.5 | 3 | 2 | 2.55 | 0.8 |
| MV 76-60-29 | 76 | 60 | 29 | 3 | - | 4.10 | 0.8 |
| MV 80-60-29.5 | 80 | 60 | 29.5 | 2 | - | 5.2 | 0.8 |
| MV 80-60-32 | 80 | 60 | 32 | 3 | - | 5.2 | 0.8 |
| MV 83-63-37 | 83 | 63 | 37 | 3 | 2 | 5.1 | 0.8 |
| MU 85-70-22.5 | 85 | 70 | 22.5 | 3 | 2 | 3.4 | 0.8 |
| MV 89-70-23 | 89 | 70 | 23 | 3 | - | 3.54 | 0.4 |
| MV 90-70-25 | 90 | 70 | 25 | 2 | - | 5.0 | 0.8 |
| MV 90-70-30 | 90 | 70 | 30 | 3 | - | 5.0 | 0.8 |
| MV 90-70-31.5 | 90 | 70 | 31.5 | 3 | - | 5.0 | 0.8 |

| | | | | | | | |
|-----------------|-----|-----|------|---|---|------|-----|
| MV 90-75-22.5 | 90 | 75 | 22.5 | 2 | - | 5.35 | 0.8 |
| MV 90-75-29.5 | 90 | 75 | 29.5 | 2 | 1 | 5.35 | 0.8 |
| MV 90-75-35.3 | 90 | 75 | 35.3 | 2 | 2 | 5.35 | 0.8 |
| MV 95-80-17.5 | 95 | 80 | 17.5 | 3 | - | 3.4 | 0.8 |
| MV 98-78-27 | 98 | 78 | 27 | 3 | - | 4.4 | 0.4 |
| MV 100-80-20.5 | 100 | 80 | 20.5 | 1 | - | 5.2 | 0.8 |
| MV 100-80-27 | 100 | 80 | 27 | 3 | - | 5.2 | 0.8 |
| MV 100-80-30 | 100 | 80 | 30 | 3 | - | 5.2 | 0.8 |
| MV 100-80-32 | 100 | 80 | 32 | 3 | - | 5.2 | 0.8 |
| MV 100-85-22.5 | 100 | 85 | 22.5 | 4 | - | 3.8 | 0.8 |
| MV 105-85-27.5 | 105 | 85 | 27.5 | 3 | - | 5.0 | 0.8 |
| MV 105-89-25.8 | 105 | 89 | 25.8 | 3 | - | 5.70 | 0.8 |
| MV 110-90-20.5 | 110 | 90 | 20.5 | 1 | - | 5.2 | 0.8 |
| MV 110-90-26 | 110 | 90 | 26 | 2 | - | 5.2 | 0.8 |
| MV 110-90-31.5 | 110 | 90 | 31.5 | 3 | - | 5.2 | 0.8 |
| MV 110-90-36.5 | 110 | 90 | 36.5 | 4 | - | 5.2 | 0.8 |
| MV 115-100-30 | 115 | 100 | 30 | 3 | 1 | 4.6 | 0.4 |
| MV 120-95-33 | 120 | 95 | 33 | 3 | - | 5.4 | 0.8 |
| MV 120-100-32 | 120 | 100 | 32 | 3 | - | 5.6 | 0.8 |
| MV 125-100-25 | 125 | 100 | 25 | 1 | - | 7.90 | 0.8 |
| MV 125-105-27 | 125 | 105 | 27 | 3 | - | 5.10 | 0.8 |
| MV 125-110-30 | 125 | 110 | 30 | 3 | - | 6.00 | 0.8 |
| MV 130-105-33 | 130 | 105 | 33 | 3 | - | 5.35 | 0.8 |
| MV 130-110-40 | 130 | 110 | 40 | 4 | - | 5.6 | 0.8 |
| MV 132-100-46 | 132 | 100 | 46 | 4 | - | 8.0 | 0.8 |
| MV 135-110-33 | 135 | 110 | 33 | 3 | - | 5.8 | 0.8 |
| MV 140-115-21 | 140 | 115 | 21 | 1 | - | 4.90 | 0.8 |
| MV 140-115-26.5 | 140 | 115 | 26.5 | 2 | - | 4.90 | 0.8 |
| MV 140-115-33 | 140 | 115 | 33 | 3 | - | 4.90 | 0.8 |
| MV 140-120-30 | 140 | 120 | 30 | 3 | - | 5.2 | 0.8 |
| MV 140-125-24 | 140 | 125 | 24 | 3 | - | 4.1 | 0.8 |
| MV 150-120-28 | 150 | 120 | 28 | 1 | - | 8.1 | 0.8 |
| MV 155-130-33 | 155 | 130 | 33 | 3 | - | 5.3 | 0.8 |
| MV 155-130-40 | 155 | 130 | 40 | 4 | - | 5.3 | 0.8 |
| MV 160-135-21 | 160 | 135 | 21 | 1 | - | 5.25 | 0.8 |
| MV 160-135-27 | 160 | 135 | 27 | 2 | - | 5.25 | 0.8 |
| MV 160-140-33 | 160 | 140 | 33 | 3 | - | 5.8 | 0.8 |
| MV 170-145-35.5 | 170 | 145 | 35.5 | 3 | - | 5.4 | 0.8 |
| MV 170-150-33 | 170 | 150 | 33 | 3 | - | 6.15 | 0.8 |
| MV 172-140-54 | 172 | 140 | 54 | 3 | - | 8.3 | 0.8 |
| MV 180-150-25 | 180 | 150 | 25 | 1 | - | 6.70 | 0.8 |
| MV 180-152-45 | 180 | 152 | 45 | 3 | - | 8.0 | 0.8 |
| MV 180-160-40 | 180 | 160 | 40 | 4 | - | 6.0 | 0.8 |
| MV 190-160-33 | 190 | 160 | 33 | 3 | - | 6.1 | 0.8 |
| MV 195-165-32.5 | 195 | 165 | 32.5 | 1 | - | 9.0 | 0.8 |
| MV 200-170-25 | 200 | 170 | 25 | 1 | - | 8.80 | 0.8 |
| MV 200-170-32.5 | 200 | 170 | 32.5 | 2 | - | 8.80 | 0.8 |
| MV 200-180-40 | 200 | 180 | 40 | 4 | - | 6.8 | 0.8 |
| MV 225-195-32.5 | 225 | 195 | 32.5 | 2 | - | 7.05 | 0.8 |
| MV 230-200-50.5 | 230 | 200 | 50.5 | 3 | - | 8.40 | 0.8 |
| MV 250-220-25 | 250 | 220 | 25 | 1 | - | 7.10 | 0.8 |
| MV 250-220-29 | 250 | 220 | 29 | 1 | - | 7.10 | 0.8 |
| MV 250-220-33 | 250 | 220 | 33 | 2 | - | 7.10 | 0.8 |
| MV 250-220-50 | 250 | 220 | 50 | 4 | - | 7.10 | 0.8 |
| MV 260-230-50.5 | 260 | 230 | 50.5 | 3 | - | 7.3 | 0.8 |
| MV 270-240-45 | 270 | 240 | 45 | 3 | - | 7.4 | 0.8 |
| MV 280-250-27 | 280 | 250 | 27 | 1 | - | 6.8 | 0.8 |
| MV 280-250-34 | 280 | 250 | 34 | 2 | - | 6.8 | 0.8 |
| MV 280-250-50 | 280 | 250 | 50 | 4 | - | 6.8 | 0.8 |
| MV 300-270-25 | 300 | 270 | 25 | 1 | - | 7.5 | 0.8 |
| MV 300-270-32.5 | 300 | 270 | 32.5 | 2 | - | 7.5 | 0.8 |
| MU 320-290-43 | 320 | 290 | 43 | 2 | - | 7.5 | 0.8 |
| MV 350-320-43 | 350 | 320 | 43 | 2 | - | 7.7 | 0.8 |